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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/839,462

04/20/2001

Per-Olof Brandt

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23932

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04/15/2004

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EXAMINER

BEHULU, ALEMAYEHU

ART UNIT

PAPER NUMBER

2682

DATE MAILED: 04/15/2004

8

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/839,462

Applicant(s)

BRANDT ET AL.

Examiner

Alemayehu Behulu

Art Unit

2682

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 5-7.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

1. Claims 1, 2, 4, 8, 9 are rejected under 35 U.S.C. 102(b) as being anticipated by Yamashita (U.S. Patent No. 6, 047, 167).

Regarding claims 1 and 8, Yamashita discloses a method for controlling a power amplifier in a power amplifier system (figures 1-3 and 5), said power amplifier system including a loop by which a parameter proportional to output power of the power amplifier is sensed (figures 1 and 2, numbers 102, 103, 104 and figures 3 and 5, numbers 2, 3, 4) and fed to an error amplifier (figures 1 and 2, number 105 and figures 3 and 5, number 5), and the output of the error amplifier is fed to a control input of the power amplifier as a control signal (figures 1-3 and 5, refer to the arrow out of 105 and 5 and input to 102 and 2 respectively), the method comprising adding an extra gain to the loop (column 2, lines 62-column 3, lines 11, column 3, lines 53-column 4, lines 13).

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Regarding claims 2 and 9, Yamashita discloses the method according to claim 1, wherein said extra gain is proportional to said control signal (column 3, lines 1-11 and column 4, lines 10-13 and lines 64-column 5, lines 25).

Regarding claim 4, Yamashita discloses the method according to claim 1 wherein said extra gain maintains said loop in an active state at all times (figures 1-3 and 5 refer to the loop and column 3, lines 1-11 and lines 53-column 4, lines 13 and column 4, lines 64-column 5, lines 22).

2. Claims 1-11 are rejected under 35 U.S.C. 102(e) as being anticipated by Liimatainen (U.S. Patent No. 6, 370, 364).

Regarding claims 1 and 8, Liimatainen discloses a method for controlling a power amplifier in a power amplifier system (figures 3-5), said power amplifier system including a loop by which a parameter proportional to output power of the power amplifier is sensed (figures 4 and 5, numbers 30, 32, 34) and fed to an error amplifier (figures 4 and 5, number 36), and the output of the error amplifier is fed to a control input of the power amplifier as a control signal (figures 4 and 5, refer to the arrow out of 36 and input to 30 labeled GAIN), the method comprising adding an extra gain to the loop (figures 4 and 5, refer to the arrow out of 36 and input to 30 labeled GAIN and column 6, lines 19-column 7, lines 20).

Regarding claims 2 and 9, Liimatainen discloses the method according to claim 1, wherein said extra gain is proportional to said control signal (column 6, lines 37-56 and figures 4 and 5, refer to the arrow out of 36 and input to 30 labeled GAIN).

Regarding claims 3 and 10, Liimatainen discloses the method according to claim 2, wherein said parameter proportional to output power comprises current (column 6, lines 57-63).

Regarding claim 4, Liimatainen discloses the method according to claim 1 wherein said extra gain maintains said loop in an active state at all times (figures 3-5, refer to the loop and column 6, lines 37-56).

Regarding claims 5 and 11, Liimatainen discloses the method according to claim 1, wherein said power amplifier system is utilized in a mobile terminal of a wireless communications system (figure 2, number 10 and column 6, lines 37-40).

Regarding claim 6, Liimatainen discloses the method according to claim 5, wherein said mobile terminal is a cellular telephone (column 5, lines 21-24 and column 6, lines 6-17).

Regarding claim 7, Liimatainen discloses the method according to claim 5, wherein said wireless communications system operates in accordance with GSM specifications (column 6, lines 6-17).


Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alemayehu Behulu whose telephone number is 703-305-4828. The examiner can normally be reached on 8 AM - 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vivian Chin can be reached on 703-308-6739. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AB


4-12-2004

NGUYENT.VO
PRIMARY EXAMINER